

**ABSTRACT****SMALL PARTICLE DRUG COMPOSITIONS**

A drug delivery composition for intranasal delivery comprises a plurality of  
5 bioadhesive microspheres and active drug associated with each microsphere, at  
least 90 wt % of the microspheres having a diameter in the range 0.1  $\mu\text{m}$  to  
10  $\mu\text{m}$ . The microspheres may be of starch, gelatin, dextran, collagen or  
albumin. Suitable drugs include peptides, such as insulin, and antigenic vaccine  
10 ingredients. The composition may additionally comprise an absorption  
enhancer. The microspheres are administered to the nasal cavity by a means  
such that the product of the square of the microsphere diameter and the flow  
rate is greater than 2000  $\mu\text{m}^2\text{.litres/min.}$

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